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OM protein - protein search, using sw model

Run on: June 23, 2003, 15:15:57 ; Search time 48 Seconds

(Without alignments)
414.793 Million cell updates/sec

Title: AAK91826

Perfect score: 965

Sequence: 1 MRRGPRSLRGRDAPAPTPCV.....ATELGSTELVTTKTAGPEQQ 184

Scoring table: BLOSUM62

Gapext 0.5

Searched: 417779 seqs, 10820813 residues

Actual number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/prodata/1/pubpa/US08 NEW PUB .pep:*

2: /cgn2_6/prodata/1/pubpa/FCI_NEW_PUB.pep:*

3: /cgn2_6/prodata/1/pubpa/US06 NEW PUB .pep:*

4: /cgn2_6/prodata/1/pubpa/US06_PUBCOMB.pep:*

5: /cgn2_6/prodata/1/pubpa/US07_NEW_PUB.pep:*

6: /cgn2_6/prodata/1/pubpa/US07_PUBCOMB.pep:*

7: /cgn2_6/prodata/1/pubpa/PCFTS_PUBCOMB.pep:*

8: /cgn2_6/prodata/1/pubpa/US08_PUBCOMB.pep:*

9: /cgn2_6/prodata/1/pubpa/US09_NEW_PUB.pep:*

10: /cgn2_6/prodata/1/pubpa/US09_PUBCOMB.pep:*

11: /cgn2_6/prodata/1/pubpa/US10_NEW_PUB.pep:*

12: /cgn2_6/prodata/1/pubpa/US10_PUBCOMB.pep:*

13: /cgn2_6/prodata/1/pubpa/US60_NEW_PUB.pep:*

14: /cgn2_6/prodata/1/pubpa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	965	100.0	184 9	US-10-008-033-2
2	965	100.0	184 9	US-10-152-333A-60
3	815	84.5	185 9	US-10-251-977-2
4	755.5	78.3	170 9	US-10-251-977-6
5	745	77.2	171 9	US-10-251-977-4
6	745	77.2	171 9	US-10-251-977-7
7	736.5	76.3	186 9	US-10-251-977-14
8	410.5	42.5	175 9	US-10-008-033-13
9	384	39.8	1023 9	US-10-008-033-42
10	120.5	12.5	121 9	US-09-893-529A-14
11	117	12.1	635 9	US-09-738-626-6614
12	114.5	11.9	418 9	US-09-946-897-3
13	114.5	11.9	418 10	US-09-795-686-3
14	105.5	10.9	550 9	US-09-976-740-47
15	105.5	10.9	550 12	US-10-023-529-47
16	105.5	10.9	250 9	US-10-023-523-47
17	104	10.8	250 9	US-10-18-654-31
18	104	10.8	US-10-218-654-23	
19	104	10.8	US-10-218-654-23	

ALIGNMENTS

RESULT 1
US-10-008-063-2

; Sequence 2, Application US/10008063
; Publication No. US200300921641
; GENERAL INFORMATION:
; APPLICANT: Gross, Jane A.
; APPLICANT: Xu, Wenfeng
; APPLICANT: Henn, Randal M.
; APPLICANT: Grant, Francis J.
; TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor
; FILE REFERENCE: 00-103
; CURRENT APPLICATION NUMBER: US10/008, 063
; CURRENT FILING DATE: 2001-11-05
; SOFTWARE: FastSEQ for Windows Version 4.0
; NUMBER OF SEQ ID NO: 46
; SEQ ID NO 2
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-008-063-2

Query Match 100.0%; Score 965; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 1.e-67;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRRGPRSLRGRDAPAPTPCVPAECFDLVLVRHCVACGLRTPRKPGASSPAPRTALPQO 60
Db 1 MRRGPRSLRGRDAPAPTPCVPAECFDLVLVRHCVACGLRTPRKPGASSPAPRTALPQO 60

QY 121 KDAPEFLKVILSGLISDATAAPAWPPGSDPDTTPGHSHVPVPTELGSTELVTTKTAG 180
61 ESVGAGGEAALPLQGLFGRAPALGLALTLVVLGVLSWRRRRRLGASSAEPGD 120
61 ESVGAGGEAALPLQGLFGRAPALGLALVLVGLVSWRRRRRLGASSAEPGD 120

QY 121 KDAPEFLKVILSGLISDATAAPAWPPGSDPDTTPGHSHVPVPTELGSTELVTTKTAG 180
121 KDAPEFLKVILSGLISDATAAPAWPPGSDPDTTPGHSHVPVPTELGSTELVTTKTAG 180

Db 121 KDAPEFLKVILSGLISDATAAPAWPPGSDPDTTPGHSHVPVPTELGSTELVTTKTAG 180

QY 181 PEQQ 184
Db 181 PEQQ 184
Sequence 31, Appli
Sequence 3, Appli
Sequence 3, Appli
Sequence 47, Appli
Sequence 47, Appli
Sequence 47, Appli
Sequence 31, Appli
Sequence 23, Appli

RESULT 2
US-10-152-363A-60
; Sequence 60, Application US/10152363A
; Publication No. US20030103986A1
; GENERAL INFORMATION:
; APPLICANT: Rixon, Mark W.
; TITLE OF INVENTION: TACI-Immunoglobulin Fusion Proteins
; FILE REFERENCE: 01-20
; CURRENT APPLICATION NUMBER: US/10/152, 363A
; PRIORITY APPLICATION NUMBER: 60/293, 343
; PRIORITY FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 70
; SEQ ID NO: 60
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-152-363A-60

Query Match 100.0%; Score 965; DB 9; Length 184;
Best Local Similarity 100.0%; Pred. No. 1.1e-67; Mismatches 0; Indels 0; Gaps 0;
Matches 184; Conservative

QY 1 MRRGPRSLRGDRAPTPCVAECFDLVRHCVACGLRTPRPKPAGASSPAPTAQPO 60
Db 1 MRRGPRSLRGDRAPTPCVAECFDLVRHCVACGLRTPRPKPAGASSPAPTAQPO 60
QY 61 ESGVAGAGEAALPLPGLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120
Db 61 ESGVAGAGEAALPLPGLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120
QY 121 KDAPEPLDKVITLSPGISDATAWPWPPGEGDPTGTPGHSVVPVATELGSTELVTTKAG 180
Db 121 KDAPEPLDKVITLSPGISDATAWPWPPGEGDPTGTPGHSVVPVATELGSTELVTTKAG 180
QY 181 PEQQ 184
Db 181 PEQQ 184

RESULT 3
US-10-251-947-2
; Sequence 2, Application US/10251947
; Publication No. US20030099990A1
; APPLICANT: Hau, Hailing
; GENERAL INFORMATION:
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof
; FILE REFERENCE: 01-1160-A
; CURRENT APPLICATION NUMBER: US/10/251, 947
; CURRENT FILING DATE: 2002-09-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 2
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-947-2

Query Match 84.5%; Score 815; DB 9; Length 185;
Best Local Similarity 85.9%; Pred. No. 4.7e-56; Mismatches 7; Indels 2; Gaps 2;
Matches 159; Conservative

QY 1 MRRGPRSLRGDRAPTPCVAECFDLVRHCVACGLRTPRPK-PAGASSPAPTAQPO 59
Db 1 MRRGPRSLRGDRAPTPCVAECFDLVRHCVACGLRTPRPK-PAGASSPAPTAQPO 60
QY 60 QESVGAGAGEAALPLPGLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 119
Db 61 QESVGAGAGEAALPLPGLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120
QY 120 DK-DAPEPLDKVITLSPGISDATAWPWPPGEGDPTGTPGHSVVPVATELGSTELVTTKAG 178

RESULT 4
US-10-251-947-6
; Sequence 6, Application US/10251947
; Publication No. US20030099990A1
; APPLICANT: Hau, Hailing
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof
; FILE REFERENCE: 01-1160-A
; CURRENT APPLICATION NUMBER: US/10/251, 947
; CURRENT FILING DATE: 2002-09-20
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO: 6
; LENGTH: 170
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-947-6

Query Match 78.3%; Score 755.5; DB 9; Length 170;
Best Local Similarity 79.8%; Pred. No. 1.8e-51; Mismatches 7; Indels 13; Gaps 1;
Matches 146; Conservative

QY 1 MRRGPRSLRGDRAPTPCVAECFDLVRHCVACGLRTPRPKPAGASSPAPTAQPO 60
Db 1 MRRGPRSLRGDRAPTPCVAECFDLVRHCVACGLRTPRPKPAGASSPAPTAQPO 60
QY 61 ESGVAGAGEAALPLPGLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120
Db 61 ESGVAGAGEAALPLPGLFGAPALLGLALVALVLVLGVLSWRQRRLRGASSAEPDGD 120
QY 121 KDAPEPLDKVITLSPGISDATAWPWPPGEGDPTGTPGHSVVPVATELGSTELVTTKAG 180
Db 121 KDAPEPLDKVITLSPGISDATAWPWPPGEGDPTGTPGHSVVPVATELGSTELVTTKAG 180
QY 181 PEQQ 183
Db 168 PEQ 170

RESULT 5
US-10-251-947-4
; Sequence 4, Application US/10251947
; Publication No. US20030099990A1
; APPLICANT: Hau, Hailing
; GENERAL INFORMATION:
; TITLE OF INVENTION: TALL-1 Receptor Molecules and Uses Thereof
; FILE REFERENCE: 01-1160-A
; CURRENT APPLICATION NUMBER: US/10/251, 947
; CURRENT FILING DATE: 2002-09-20
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 4
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-947-4

Query Match 77.2%; Score 745; DB 9; Length 171;
Best Local Similarity 79.3%; Pred. No. 1.1e-50; Mismatches 7; Indels 14; Gaps 2;
Matches 146; Conservative

QY 1 MRRGPRSLRGDRAPTPCVAECFDLVRHCVACGLRTPRPK-PAGASSPAPTAQPO 59
Db 1 MRRGPRSLRGDRAPTPCVAECFDLVRHCVACGLRTPRPK-PAGASSPAPTAQPO 60

QY 60 QSSVGAGAEALPLPGILFGPAGLGLALVALVNGLVSURRORRGRASSAEPDG 119
 ; ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 ; Sequence 7, Application US/10251947
 ; Publication No. US2003009990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Heu, Hailing
 ; TITLE OF INVENTION: TAIL-1 Receptor Molecules and Uses Thereof
 ; FILE REFERENCE: 01-1160-A
 ; CURRENT APPLICATION NUMBER: US/10/251,947
 ; CURRENT FILING DATE: 2002-09-20
 ; NUMBER OF SEQ ID NOS: 14
 ; SEQ ID NO 7
 ; SOFTWARE: PatentIn Ver. 2.0
 ; LENGTH: 171
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-251-947-7

RESULT 6
 US-10-251-947-7
 ; Sequence 7, Application US/10251947
 ; Publication No. US2003009990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Heu, Hailing
 ; TITLE OF INVENTION: TAIL-1 Receptor Molecules and Uses Thereof
 ; FILE REFERENCE: 01-1160-A
 ; CURRENT APPLICATION NUMBER: US/10/251,947
 ; CURRENT FILING DATE: 2002-09-20
 ; NUMBER OF SEQ ID NOS: 14
 ; SEQ ID NO 7
 ; SOFTWARE: PatentIn Ver. 2.0
 ; LENGTH: 171
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-251-947-7

Query Match 77.2%; Score 745; DB 9; Length 171;
 Best Local Similarity 79.3%; Pred. No. 1;le-50;
 Matches 146; Conservative 7; Mismatches 17; Indels 14; Gaps 2;

QY 1 MERGPRLSRGRDAPAPTPCVPACFDLIVRKCVDRKURKSPKTAANGASSPAPGTALQP 59
 1 MRRGPRSLRGRDAPVPPCVPACFDLIVRKCVDRKURKSPKTAANGASSPAPGTALQP 59
 QY 60 QSSVGAGAEALPLPGILFGPAGLGLALVALVNGLVSURRORRGRASSAEPDG 119
 ; ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 ; Db 61 QSSVGAGAEALPLPGILFGPAGLGLALVALVNGLVSURRORRGRASSAEPDG 120
 ; ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 ; Db 62 QSSVGAGAEALPLPGILFGPAGLGLALVALVNGLVSURRORRGRASSAEPDG 120
 ; ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 ; QY 120 DKDAPERPLDKVILSPGSDATAWPPPGEDPGTPPGHSVPVPAEGLGSLVTKTA 179
 ; ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 ; Db 121 DK-----AGTTDATAWPPPGEDQGTTPPGHSIPVPAEGLGSLVTKTA 167
 ; ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 ; 180 GPEQ 183
 ; ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
 ; Db 168 GPEQ 171
 ; ||||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||

RESULT 7
 US-10-251-947-14
 ; Sequence 14, Application US/10251947
 ; Publication No. US2003009990A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Heu, Hailing
 ; TITLE OF INVENTION: TAIL-1 Receptor Molecules and Uses Thereof
 ; FILE REFERENCE: 01-1160-A
 ; CURRENT APPLICATION NUMBER: US/10/251,947
 ; CURRENT FILING DATE: 2002-09-20
 ; NUMBER OF SEQ ID NOS: 14
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 14
 ; LENGTH: 186
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: TAIL-1R
 ; OTHER INFORMATION: Polypeptide derived from the amino acid sequence
 ; OTHER INFORMATION: alignment shown in Figure 8A
 ; FEATURE:
 ; OTHER INFORMATION: alignment shown in Figure 8A
 ; OTHER INFORMATION: or is absent.

NAME/KEY: UNSURE
 LOCATION: (46)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (124)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (125)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (126)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (127)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (128)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (129)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (130)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (131)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (132)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (133)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (134)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (135)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (136)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (137)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid,
 OTHER INFORMATION: or is absent.

Query Match 12.5%; Score 120.5; DB 9; Length 1033;
 Best Local Similarity 27.4%; Pred. No. 0.21; Gaps 9;
 Matches 63; Conservative 11; Mismatches 93; Indels 63; Gaps 9;

Qy 2 RRGPRSLRGDRDAPAPPCVPA-----ECFDLVRHCVACGLRTPRKPGAGS 49
 Db 104 RGGPPSPRRPPVPA-GPAPPAAKIRPPPEGSGAC-PPVPAAVAG---PEPAPAGPA 158

Qy 50 SPAPRTALQOPESVGAGAEALPLPG-----LLFGAPALL----- 85
 Db 159 KPGPAALAAKAGPGPGPGPGPKPGKPGAAQTLNGSALLNSHAAAPAVSLNN 218

Qy 86 GIALVALVLVGLVLSWRQRRLRGASSAEAPGDKDAPEPLDKVILSPITSDATAPAW 145
 Db 219 GPAGLLPLPKPAAAGPTVQTPPFVGAAAPP---AAPSPAAAPAAP---AAPAPP 270

Qy 146 PPPGEDRGITPPCH-----SVPPVAT-----ELGSTELVTKTAGP 181
 Db 271 PPPAPATLARPPGHPAGPPTAAVPPPAANQNGGSGAAAPAPAPAGGP 320

RESULT 11
 US-09-738-626-6614 Application US/09/38626
 ; Sequence 6614, Application US/09/38626
 ; Publication No. US20020197605A1
 ; GENERAL INFORMATION:
 ; APPLICANT: NAKAGAWA, SATOSHI
 ; APPLICANT: MIZOGUCHI, HIROSHI
 ; APPLICANT: ANDO, SEIKO
 ; APPLICANT: HAYASHI, MIKIRO
 ; APPLICANT: OCHIAI, KEIKO
 ; APPLICANT: YOKOI, HARUHIKO
 ; APPLICANT: TATEISHI, NAOKO
 ; APPLICANT: SENOH, AKIHIRO
 ; APPLICANT: IKEDA, MASATO
 ; APPLICANT: OZAKI, AKIO
 ; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
 ; FILE REFERENCE: 249-125
 ; CURRENT APPLICATION NUMBER: US/09/738, 626
 ; CURRENT FILING DATE: 2000-12-18
 ; PRIOR APPLICATION NUMBER: JP 99/377484
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: JP 00/159162
 ; PRIOR FILING DATE: 2000-04-07
 ; PRIOR APPLICATION NUMBER: JP 00/280988
 ; NUMBER OF SEQ ID NOS: 7059
 ; SOFTWARE: Patentin ver. 3.0
 ; SEQ ID NO: 635
 ; LENGTH: 635
 ; TYPE: PRT
 ; ORGANISM: Corynebacterium glutamicum
 ; US-09-738-626-6614

Query Match 11.9%; Score 114.5; DB 9; Length 418;
 Best Local Similarity 29.3%; Pred. No. 0.22; Gaps 10;
 Matches 54; Conservative 14; Mismatches 55; Indels 61; Gaps 10;

Qy 2 RRGPRSLRGDRDAPAPPCVPA-----ECFDLVRHCVACGLRTPRKPGAGS 57
 Db 4 RRAPRR-SGRGP----- 38

Qy 58 OPQESTVGAGAEALPLPGLIFGAPALIG---LALVLAATVUGLVSWRQR---RLR 109
 Db 39 LGTAAGCAGAAGNEAP-AAGASVCSPPSVGSVOELAQRAAVTEGKVPQRQGAUDKA 97

Qy 110 GASSAEP-----DGDKDAAPEPLDKVILSPLGSIISATAP-AWPPGEDP---GTTPGHSV 161
 Db 98 AAAGAGAWGGDREPP-----AAGPRLGPPAEEPLLAANGTVPWSWPA 142

Qy 162 PVPA 165
 Db 143 PVPS 146

RESULT 13
 US-09-795-668-3
 ; Sequence 3, Application US/09/795668
 ; Patent No. US2002004557A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Stefansson, Hreinn
 ; APPLICANT: Gudnarsdottir, Valgerdur
 ; APPLICANT: Gulcher, Jeffrey R.
 ; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
 ; FILE REFERENCE: 2345.2004-001
 ; CURRENT APPLICATION NUMBER: US/09/795, 668
 ; CURRENT FILING DATE: 2001-02-28
 ; PRIOR APPLICATION NUMBER: US 09/515, 716
 ; NUMBER OF SEQ ID NOS: 1531
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 3
 ; LENGTH: 418
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-795-668-3

Query Match 11.9%; Score 114.5; DB 10; Length 418;
 Best Local Similarity 29.3%; Pred. No. 0.22; Gaps 10;
 Matches 54; Conservative 14; Mismatches 55; Indels 61; Gaps 10;

Qy 2 RRGPRSLRGDRDAPAPPCVPA-----ECFDLVRHCVACGLRTPRKPGAGS 57
 Db 4 RRAPRR-SGRGP----- 38

QY 58 QPQESVGAGGEAALPLPGGLPGLPAPALG---LALVLAALVGLVLSWRQROR---RLR 109 ;
; Sequence 3, Application US/09795686 ;
; Patent No. US20020054954A1 ;
; GENERAL INFORMATION: ;
; APPLICANT: Stefanson, Hreinn ;
; APPLICANT: Steinthorsdottir, Valgerdur ;
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE ;
; FILE REFERENCE: 2345.2005-001 ;
; CURRENT APPLICATION NUMBER: US/09795686 ;
; CURRENT FILING DATE: 2001-02-28 ;
; PRIOR APPLICATION NUMBER: US 09/515,715 ;
; PRIOR FILING DATE: 2000-02-28 ;
; NUMBER OF SEQ ID NOS: 1531 ;
; SOFTWARE: FastSEQ for Windows Version 4.0 ;
; SEQ ID NO: 3 ;
; LENGTH: 418 ;
; TYPE: PRT ;
; ORGANISM: Homo sapiens ;
; US-09-795-686-3

RESULT 14
US-09-795-686-3
; Sequence 3, Application US/09795686
; Patent No. US20020054954A1
; GENERAL INFORMATION:
; APPLICANT: Stefanson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2005-001
; CURRENT APPLICATION NUMBER: US/09795686
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,715
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 418
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
; US-09-795-686-3

Query Match 11.9%; Score 114.5; DB 10; Length 418;
Best Local Similarity 29.3%; Pred. No. 0.22; Matches 54; Conservative 14; Mismatches 55; Indels 61; Gaps 10;
Matches 54; Conservative 10; Mismatches 65; Indels 73; Gaps 10;

QY 2 RRGPRSLRGDRDAPPTPCVPPACFDFLVRHCVACGLLTPRPRKGASSP---APRTAL 57
; RRGATPPAPRPRGGPAAAAPPPTPAPP-----RQPRPSSAASSSPPPPLPPLL 38
; RRAPIR-SGRGP-----RQPRPSSAASSSPPPPLPPLL 38

QY 58 QPQESVGAGGEAALPLPGGLPGLPAPALG---LALVLAALVGLVLSWRQROR---RLR 109
; Sequence 3, Application US/09795686 ;
; Patent No. US20020054954A1 ;
; GENERAL INFORMATION: ;
; APPLICANT: Lees, Ann M. ;
; APPLICANT: Lees, Robert S. ;
; APPLICANT: Law, Simon W. ;
; APPLICANT: Arjona, Anibal A. ;
; TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING ATHEROSCLEROSIS ;
; TITLE OF INVENTION: PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING ATHEROSCLEROSIS ;
; FILE REFERENCE: 10797-004001 ;
; CURRENT APPLICATION NUMBER: US/09/976,740 ;
; CURRENT FILING DATE: 2001-01-12 ;
; PRIOR APPLICATION NUMBER: 09/616,289 ;
; PRIOR FILING DATE: 2000-07-14

RESULT 14
US-09-795-686-3
; Sequence 3, Application US/09795686
; Patent No. US20020054954A1
; GENERAL INFORMATION:
; APPLICANT: Stefanson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2005-001
; CURRENT APPLICATION NUMBER: US/09795686
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,715
; PRIOR FILING DATE: 1996-11-27
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 47 ;
; LENGTH: 550 ;
; TYPE: PRT ;
; ORGANISM: Oryctolagus cuniculus
; US-09-795-686-3

Query Match 10.9%; Score 105.5; DB 9; Length 550;
Best Local Similarity 26.7%; Pred. No. 1.5; Matches 54; Conservative 10; Mismatches 65; Indels 73; Gaps 10;
Matches 54; Conservative 10; Mismatches 65; Indels 73; Gaps 10;

QY 2 RRG---PRSLRG---RQPRPCTPCVPPACFDFLVRHCVACGLLTPRPRKGASSP---APRTAL 57
; RRGATPPAPRPRGGPAAAAPPPTPAPP-----RQPRPSSAASSSPPPPLPPLL 38
; RRAPIR-SGRGP-----RQPRPSSAASSSPPPPLPPLL 38

QY 51 P---APRTALQPOQESVGAGGEAALPLPGGLPGLPAPALG---LALVLAALVGLVLSWRQROR 108
; Sequence 3, Application US/09795686 ;
; Patent No. US20020054954A1 ;
; GENERAL INFORMATION: ;
; APPLICANT: Lees, Ann M. ;
; APPLICANT: Lees, Robert S. ;
; APPLICANT: Law, Simon W. ;
; APPLICANT: Arjona, Anibal A. ;
; TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING ATHEROSCLEROSIS ;
; TITLE OF INVENTION: PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING ATHEROSCLEROSIS ;
; FILE REFERENCE: 10797-004001 ;
; CURRENT APPLICATION NUMBER: US/09/976,740 ;
; CURRENT FILING DATE: 2001-01-12 ;
; PRIOR APPLICATION NUMBER: 09/616,289 ;
; PRIOR FILING DATE: 2000-07-14

Search completed: June 23, 2003, 15:25:22
Job time : 50 secs

RESULT 15
US-09-976-740-47
; Sequence 47, Application US/09976740
; Publication No. US20020194633A1
; GENERAL INFORMATION:
; APPLICANT: Lees, Ann M. ;
; APPLICANT: Lees, Robert S. ;
; APPLICANT: Law, Simon W. ;
; APPLICANT: Arjona, Anibal A. ;
; TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING ATHEROSCLEROSIS ;
; TITLE OF INVENTION: PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING ATHEROSCLEROSIS ;
; FILE REFERENCE: 10797-004001 ;
; CURRENT APPLICATION NUMBER: US/09/976,740 ;
; CURRENT FILING DATE: 2001-01-12 ;
; PRIOR APPLICATION NUMBER: 09/616,289 ;
; PRIOR FILING DATE: 2000-07-14

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TOPOLOGY: linear

US-08-249322R-170

Query Match 11.8%; Score 113.5; DB 1; Length 422;
 Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;
 Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

Db 4 RRAPRR-SGRPP-----RAQRPGSARSSPPLPLLLL 38
 Qy 52 APRTALCPOESVGAGGEAALPL-PGLFGAPALIG---LALVLAALVGLVSNRRQR 106
 Db 39 LGTAALAP---GAAGAANEARAPGASVCISSPPSVSSVQELAORAAVIEGKVKHPRQQ 94
 Qy 107 ---RLRGNSAEP--DGDKDAPEDKVILSFGISDATAP-AWPPPGEDP---GT 154
 Db 95 GALDRKAAANGEAGAWGGDRBPP---AAGPRAUGPPAEBPLLAANGT 139
 Qy 155 TPGHSPVPA 165
 Db 140 VPSWPTAPVPS 150

RESULT 15

US-08-428-927-3

Sequence 3, Application. US/08428927

Patent No. 575456

GENERAL INFORMATION:

APPLICANT: Ho, Wei-Hsien

TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA

ZIP: 94030

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,927

FILING DATE: 25-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/339517

FILING DATE: 14-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00 000

REFERENCE/DOCKET NUMBER: 853D3

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/222-1994

TELEFAX: 415/952-9881

TELEX: 910/371-168

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 422 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-428-927-3

Query Match 11.8%; Score 113.5; DB 1; Length 422;

Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

Qy 2 RRGPSLGRDAPAPTCVPAECFDLVRHCVACGLLRTPRPKPAGASSP-----51
 Db 4 RRAPRR-SGRPP-----RAQRPGSARSSPPLPLLLL 38
 Qy 52 APRTALCPOESVGAGGEAALPL-PGLFGAPALIG---LALVLAALVGLVSNRRQR 106
 Db 39 LGTAALAP---GAAGAANEARAPGASVCISSPPSVSSVQELAORAAVIEGKVKHPRQQ 94
 Qy 107 ---RLRGNSAEP--DGDKDAPEDKVILSFGISDATAP-AWPPPGEDP---GT 154
 Db 95 GALDRKAAANGEAGAWGGDRBPP---AAGPRAUGPPAEBPLLAANGT 139
 Qy 155 TPGHSPVPA 165
 Db 140 VPSWPTAPVPS 150

Search completed: June 23, 2003, 15:17:14
 Job time : 33 SECs

STRANDEDNESS:
TOPOLOGY: linear

US-08-469-569-170

Query Match Similarity 11.8%; Score 113.5; DB 1; Length 422;
Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;

Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

Db 4 RRAPRR-SGRGP-----

Qy 52 APTALQQPOESVGAGAGAAALPL-PGLIFGAPALIG---LAIVLALVLVGLVLSRRQR 106

Db 39 LGTAALAP---GAAGNEAPAGASVCSPPSVSSQELAQRAAVWIEGKVRHQBRRQ 94

Db 4 RRAPRR-SGRGP-----

Qy 107 ---RLRGASSAEP--DGDKDAPEDPKVILSPGISDATAAP-AWPPGEDP---GT 154

Db 95 GALDRKAAGAAGEAGAWGGDRBPP---AAGPRAALGPPAEPPLAANGT 139

Db 52 APTALQQPOESVGAGAGAAALPL-PGLIFGAPALIG---LAIVLALVLVGLVLSRRQR 106

Db 39 LGTAALAP---GAAGNEAPAGASVCSPPSVSSQELAQRAAVWIEGKVRHQBRRQ 94

Db 4 RRAPRR-SGRGP-----

Qy 107 ---RLRGASSAEP--DGDKDAPEDPKVILSPGISDATAAP-AWPPGEDP---GT 154

Db 95 GALDRKAAGAAGEAGAWGGDRBPP---AAGPRAALGPPAEPPLAANGT 139

Db 52 APTALQQPOESVGAGAGAAALPL-PGLIFGAPALIG---LAIVLALVLVGLVLSRRQR 106

Db 39 LGTAALAP---GAAGNEAPAGASVCSPPSVSSQELAQRAAVWIEGKVRHQBRRQ 94

Db 4 RRAPRR-SGRGP-----

Qy 107 ---RLRGASSAEP--DGDKDAPEDPKVILSPGISDATAAP-AWPPGEDP---GT 154

Db 95 GALDRKAAGAAGEAGAWGGDRBPP---AAGPRAALGPPAEPPLAANGT 139

Db 52 APTALQQPOESVGAGAGAAALPL-PGLIFGAPALIG---LAIVLALVLVGLVLSRRQR 106

Db 39 LGTAALAP---GAAGNEAPAGASVCSPPSVSSQELAQRAAVWIEGKVRHQBRRQ 94

Db 4 RRAPRR-SGRGP-----

Qy 107 ---RLRGASSAEP--DGDKDAPEDPKVILSPGISDATAAP-AWPPGEDP---GT 154

Db 95 GALDRKAAGAAGEAGAWGGDRBPP---AAGPRAALGPPAEPPLAANGT 139

Db 52 APTALQQPOESVGAGAGAAALPL-PGLIFGAPALIG---LAIVLALVLVGLVLSRRQR 106

Db 39 LGTAALAP---GAAGNEAPAGASVCSPPSVSSQELAQRAAVWIEGKVRHQBRRQ 94

Db 4 RRAPRR-SGRGP-----

Qy 107 ---RLRGASSAEP--DGDKDAPEDPKVILSPGISDATAAP-AWPPGEDP---GT 154

Db 95 GALDRKAAGAAGEAGAWGGDRBPP---AAGPRAALGPPAEPPLAANGT 139

RESULT 13

US-08-428-926-3

Sequence 3, Application US/08428926

Patent No. 5667780

GENERAL INFORMATION:

APPLICANT: Ho, Wei-Hsien

APPLICANT: Osheroff, Phyllis L.

TITLE OF INVENTION: SENSORY AND MOTOR NEURON DERIVED FACTOR (SMDF)

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/428,926

FILING DATE: 25-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/339517

FILING DATE: 14-NOV-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 00.000

REFERENCE/DOCKET NUMBER: 853D4

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 422 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-428-926-3

Query Match Similarity 11.8%; Score 113.5; DB 1; Length 422;
Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;

Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;

Db 140 VPSWPTAPVPS 150

RESULT 14

US-08-249-322A-170

Sequence 170, Application US/08249322A

Patent No. 5716930

GENERAL INFORMATION:

APPLICANT: Godearl, Andrew; Stroobant, Paul; Michael; Marchioni, Mark;

APPLICANT: Minghetti, Luisa; Waterfield, Michael; Chem, Siu; Hiles, Ian

TITLE OF INVENTION: Glial Mitogenic Factors, Their Preparation and Use

NUMBER OF SEQUENCES: 184

CORRESPONDENCE ADDRESS:

ADDRESSEE: Felfe & Lynch

STREET: 805 Third Avenue

CITY: New York City

STATE: New York

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Discrete, 5.25 inch, 360 kb storage

COMPUTER: IBM

OPERATING SYSTEM: PC-DOS

SOFTWARE: Wordperfect

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/249,322A

FILING DATE: 26-MAY-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/036,555

FILING DATE: 24-MAR-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/965,173

FILING DATE: 23-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/940,389

FILING DATE: 03-SEP-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/907,138

FILING DATE: 30-JUN-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/863,703

FILING DATE: 03-APRIL-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: U.K. 191 07566.3

FILING DATE: 10-APRIL-1991

ATTORNEY/AGENT INFORMATION:

NAME: Tsai, Christine H.

REGISTRATION NUMBER: 34,266

REFERENCE/DOCKET NUMBER: LUD 250.4

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 688-9200

TELEFAX: (212) 838-3894

INFORMATION FOR SEQ ID NO: 170:

SEQUENCE CHARACTERISTICS:

LENGTH: 422

TYPE: amino acid

TOPOLOGY: linear

US-08-428-926-3

QY 52 APTALOPOESVAGAGRALPL-PGLFGAPALG---LALVIALVLUVGVWSRRQR 106
 Db 39 LGTAALAP---GAAGNEAPAGASVCSSPSVGSVQELAQRAAVVIEGKVHPQRQQ 94
 QY 107 ---RLRGASSAEP--DGDKDAPEPLKVILSPGIDATAP-AWPPGEDP---GT 154
 Db 95 GALDRKAAGAAGAGAWGCGDREPP-----AAGPRAALGPPAEBPLAANGT 139
 QY 155 TPPGHSVPVPA 165
 Db 140 VPSWPTAPVPS 150

RESULT 11
 US-08-036-555B-170
 ; Sequence 170, Application US/08036555B
 ; Patent No. 5530109
 ; GENERAL INFORMATION:
 ; APPLICANT: Goodearl, Andrew; Stroobant, Paul;
 ; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
 ; TITLE OF INVENTION: Glial Mitogenic Factors, Their
 ; NUMBER OF SEQUENCES: 184
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSE: Feife & Lynch
 ; STREET: 805 Third Avenue
 ; CITY: New York City
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10022
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
 ; COMPUTER: IBM
 ; OPERATING SYSTEM: PC-DOS
 ; SOFTWARE: Wordperfect
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/036,555B
 ; FILING DATE: 24-MAR-1993
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/965,173
 ; FILING DATE: 23-OCT-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/940,389
 ; FILING DATE: 03-SEP-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/907,138
 ; FILING DATE: 30-JUN-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Tsai, Christine H.
 ; REGISTRATION NUMBER: 34,266
 ; REFERENCE/DOCKET NUMBER: LUD 5250.4
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 688-9200
 ; TELEFAX: (212) 838-3884
 ; INFORMATION FOR SEQ ID NO: 170:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 422
 ; TYPE: amino acid
 ; STRANDBNESS:
 ; TOPOLOGY: linear
 ; US-08-036-555B-170

Query Match 11.8%; Score 113.5; DB 1; Length 422;
 Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;

QY 2 RRGPRSLRGDRAPAPTCVPAECFDLVRHCVACGLLRTPRPKAGASSP----- 51
 Db 4 RRAPRR-SGRCP-----RAQPGSARRSSPPLPPLLL 38
 QY 52 APTALOPOESVAGAGRALPL-PGLFGAPALG---LALVIALVLUVGVWSRRQR 106
 Db 39 LGTAALAP---GAAGNEAPAGASVCSSPSVGSVQELAQRAAVVIEGKVHPQRQQ 94
 QY 107 ---RLRGASSAEP--DGDKDAPEPLKVILSPGIDATAP-AWPPGEDP---GT 154
 Db 95 GALDRKAAGAAGAGAWGCGDREPP-----AAGPRAALGPPAEBPLAANGT 139
 QY 155 TPPGHSVPVPA 165
 Db 140 VPSWPTAPVPS 150

RESULT 12
 US-08-469-569-170
 ; Sequence 170, Application US/08469569
 ; Patent No. 5506032
 ; GENERAL INFORMATION:
 ; APPLICANT: Goodearl, Andrew; Stroobant, Paul;
 ; APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchioni, Mark;
 ; TITLE OF INVENTION: Glial Mitogenic Factors, Their
 ; NUMBER OF SEQUENCES: 184
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSE: Feife & Lynch
 ; STREET: 805 Third Avenue
 ; CITY: New York City
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10022
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
 ; COMPUTER: IBM
 ; OPERATING SYSTEM: PC-DOS
 ; SOFTWARE: Wordperfect
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/469,569
 ; FILING DATE: 06-JUN-1995
 ; CLASSIFICATION: 530
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/036,555
 ; FILING DATE: 24-MAR-1993
 ; APPLICATION NUMBER: 07/965,173
 ; FILING DATE: 23-OCT-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/940,389
 ; FILING DATE: 03-SEP-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/907,138
 ; FILING DATE: 30-JUN-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 07/863,703
 ; FILING DATE: 03-APRIL-1992
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: U.K. 91 07566.3
 ; FILING DATE: 10-APRIL-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Tsai, Christine H.
 ; REGISTRATION NUMBER: 34,266
 ; REFERENCE/DOCKET NUMBER: LUD 5250.4
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 688-9200
 ; TELEFAX: (212) 838-3884
 ; INFORMATION FOR SEQ ID NO: 170:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 422
 ; TYPE: amino acid
 ; REFERENCE/DOCKET NUMBER: LUD 5250.4
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 688-9200
 ; TELEFAX: (212) 838-3884
 ; INFORMATION FOR SEQ ID NO: 170:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 422
 ; TYPE: amino acid

Patent No. 6444642
; GENERAL INFORMATION:
; APPLICANT: Sklar, Robert
; APPLICANT: Marchionni, Mark
; APPLICANT: Gwynne, David I.
; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND
; TREATMENT OF INVENTION: DISORDERS
; FILE REFERENCE: 04585/028003
; CURRENT APPLICATION NUMBER: US/08/467,602C
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/209, 204
; EARLIER FILING DATE: 1994-01-08
; BARLIER APPLICATION NUMBER: 08/059, 022
; EARLIER FILING DATE: 1993-05-06
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 384
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (34)...(34)
; OTHER INFORMATION: Xaa is any amino acid
; US-08-467-602-384

Query Match 11.8%; Score 113.5; DB 4; Length 405;
Best Local Similarity 28.3%; Pred. No. 0.011; Mismatches 51; Indels 71; Gaps 11;
Matches 54; Conservative 15; MisMatches 51; Indels 71; Gaps 11;

Qy 2 RRGPRSLRGDRDAPPTCPCVPAECFDLIVRHCVACGLLRTPRPKPAGASSP----- 51
Db 38 RRAPRR-SGRGP----- 51
Qy 52 APRTAQDQEQEVGAGAGAAALPL-PGLIFGAPALIG-----LAIVLAIVLVLGVLSWRQR 106
Db 73 LGTAALAP---GAAGNEAAPAGASVYSSPSVGSSVQELAQRAAVVIEGVHPQRQQ 128
Qy 107 ---RLRGASSAEP--DGDKDAPEFLDKVILSFGISDATAAP-AWPPPGEDP---GT 154
Db 129 GALDRKAABAAAGEAGAWGGDRPP-----AAGPRALGPPAEEPLLAANGT 173
Qy 155 TPGHSVVPVA 165
Db 174 VPSWPTKPVPS 184

RESULT 9
-0-470-339-189
Sequence 189, Application US/08470339C
Patient No. 623286
; GENERAL INFORMATION:
; APPLICANT: GOODEARL, ANDREW
; APPLICANT: STROOBANT, PAUL
; APPLICANT: MINGHETTI, LUISA
; APPLICANT: WATERFIELD, MICHAEL
; APPLICANT: MARCHIONNI, MARK
; APPLICANT: CHEN, MARIO S.
; APPLICANT: HILES, IAN
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
; TITLE OF INVENTION: PREPARATION AND USE
; FILE REFERENCE: 04585/02008
; CURRENT APPLICATION NUMBER: US/08/470, 339C
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/036, 555
; EARLIER FILING DATE: 1993-03-24
; EARLIER APPLICATION NUMBER: 07/940, 389
; EARLIER FILING DATE: 1992-09-03
; EARLIER APPLICATION NUMBER: 07/907, 138
; EARLIER FILING DATE: 1992-06-30
; EARLIER APPLICATION NUMBER: 07/863, 703
; EARLIER FILING DATE: 1992-04-03
; EARLIER APPLICATION NUMBER: 91/07566.3 GB
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 188
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-08-470-339-188

Query Match 11.8%; Score 113.5; DB 4; Length 414;
Best Local Similarity 28.3%; Pred. No. 0.012; Mismatches 51; Indels 71; Gaps 11;
Matches 54; Conservative 15; MisMatches 51; Indels 71; Gaps 11;

Qy 2 RRGPRSLRGDRDAPPTCPCVPAECFDLIVRHCVACGLLRTPRPKPAGASSP----- 51
Db 4 RRAPRR-SGRGP----- 51
Qy 52 APRTAQDQEQEVGAGAGAAALPL-PGLIFGAPALIG-----LAIVLAIVLVLGVLSWRQR 106
Db 39 LGTAALAP---GAAGNEAAPAGASVYSSPSVGSSVQELAQRAAVVIEGVHPQRQQ 94
Qy 107 ---RLRGASSAEP--DGDKDAPEFLDKVILSFGISDATAAP-AWPPPGEDP---GT 154
Db 95 GALDRKAABAAAGEAGAWGGDRPP-----AAGPRALGPPAEEPLLAANGT 139
Qy 155 TPGHSVVPVA 165
Db 140 VPSWPTKPVPS 150

RESULT 10
US-08-470-339-188
; Sequence 188, Application US/08470339C
; Patent No. 623286
; GENERAL INFORMATION:
; APPLICANT: GOODEARL, ANDREW
; APPLICANT: STROOBANT, PAUL
; APPLICANT: MINGHETTI, LUISA
; APPLICANT: WATERFIELD, MICHAEL
; APPLICANT: MARCHIONNI, MARK
; APPLICANT: CHEN, MARIO S.
; APPLICANT: HILES, IAN
; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
; TITLE OF INVENTION: PREPARATION AND USE
; FILE REFERENCE: 04585/02008
; CURRENT APPLICATION NUMBER: US/08/470, 339C
; CURRENT FILING DATE: 1995-06-06
; EARLIER APPLICATION NUMBER: 08/036, 555
; EARLIER FILING DATE: 1993-03-24
; EARLIER APPLICATION NUMBER: 07/940, 389
; EARLIER FILING DATE: 1992-09-03
; EARLIER APPLICATION NUMBER: 07/907, 138
; EARLIER FILING DATE: 1992-06-30
; EARLIER APPLICATION NUMBER: 07/863, 703
; EARLIER FILING DATE: 1992-04-03
; EARLIER APPLICATION NUMBER: 91/07566.3 GB
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 188
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-08-470-339-188

US-08-467-602-404
; Sequence 404, Application US/08467602C
; Patent No. 644442
; GENERAL INFORMATION:
; APPLICANT: Sklar, Robert
; APPLICANT: Marchionni, Mark
; APPLICANT: Gwynne, David I.
; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: 0485/028003
; CURRENT APPLICATION NUMBER: US/08/467,602C
; CURRENT FILING DATE: 1993-06-06
; EARLIER APPLICATION NUMBER: 08/209,204
; EARLIER FILING DATE: 1994-03-08
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 404
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-08-467-602-404
; QUERY MATCH:
; Best Local Similarity 28.3%; Pred. No. 0.0056; DB 4; Length 248;
; Best Local Similarity 28.3%; Pred. No. 0.0055; DB 4; Length 248;
; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
Qy 2 RRGPRSLRGDRDAPAPTPCVPACEDLVRHCVACGLLRTPRPKPAGASSP----- 51
Db 4 RRAPRR-SGRGP----- 150
Qy 52 APRTALQPOESVAGAGAEALPL-PGLIFGAPALIG---LALVLAALVGLVLSMRQR 106
Db 39 LGTAALAP---GAAGNEAAPAGASVCSYSSPSGSVQSLAQRAAVVLSKGKVRQRQ 94
Qy 107 ---RLRGASSAEP--DGDKDAPERLDKVITLSPGDISDATAP-AWPPGQEDP---GT 154
Db 95 GALDRKAAAGAAGAWGGDREPP---AAGPRAALGPAAEPPLAANGT 139
Qy 155 TPPGHSVPVPA 165
Db 140 VPSWPTAPVPS 150
; RESULT 7
; US-08-467-602-382
; Sequence 382, Application US/08467602C
; Patent No. 6444642
; GENERAL INFORMATION:
; APPLICANT: Sklar, Robert
; APPLICANT: Marchionni, Mark
; APPLICANT: Gwynne, David I.
; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND
; FILE REFERENCE: 0485/028003
; CURRENT APPLICATION NUMBER: US/08/467,602C
; CURRENT FILING DATE: 1993-06-06
; EARLIER APPLICATION NUMBER: 08/209,204
; EARLIER FILING DATE: 1994-03-08
; EARLIER APPLICATION NUMBER: 08/059,022
; EARLIER FILING DATE: 1993-05-06
; NUMBER OF SEQ ID NOS: 420
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 382
; LENGTH: 382
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (34)..(34)
; OTHER INFORMATION: Xaa is any amino acid
; US-08-467-602-382
; QUERY MATCH:
; Best Local Similarity 28.3%; Pred. No. 0.011; DB 4; Length 382;
; Best Local Similarity 28.3%; Pred. No. 0.011; DB 4; Length 382;
; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
; Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
Qy 2 RRGPRSLRGDRDAPAPTPCVPACEDLVRHCVACGLLRTPRPKPAGASSP----- 51
Db 38 RRAPRR-SGRGP----- 172
Qy 52 APRTALQPOESVAGAGAEALPL-PGLIFGAPALIG---LALVLAALVGLVLSMRQR 106
Db 73 LGTAALAP---GAAGNEAAPAGASVCSYSSPSGSVQSLAQRAAVVLSKGKVRQRQ 128
Qy 107 ---RLRGASSAEP--DGDKDAPERLDKVITLSPGDISDATAP-AWPPGQEDP---GT 154
Db 129 GALDRKAAAGAAGAWGGDREPP---AAGPRAALGPAAEPPLAANGT 173
Qy 155 TPPGHSVPVPA 165
Db 174 VPSWPTAPVPS 184
; RESULT 8
; US-08-467-602-384
; Sequence 384, Application US/08467602C

APPLICANT: GOODEARL, ANDREW
 APPLICANT: STROOBANT, PAUL
 APPLICANT: MINGHETTI, LUISA
 APPLICANT: WATERFIELD, MICHAEL
 APPLICANT: MARCHIONNI, MARK
 APPLICANT: CHEN, MARIO S.
 APPLICANT: HILES, IAN
 TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
 PREPARATION AND USE
 FILE REFERENCE: 04585/002008
 CURRENT APPLICATION NUMBER: US/08/470,339P
 CURRENT FILING DATE: 1995-05-06
 EARLIER APPLICATION NUMBER: 08/036,555
 EARLIER FILING DATE: 1993-03-24
 NUMBER OF SEQ ID NOS: 226
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 210
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens
 008-470-335-210
 Query Match 11.8%; Score 113.5; DB 4; Length 248;
 Best Local Similarity 28.3%; Pred. No. 0.0065; Mismatches 51; Indels 71; Gaps 11;
 Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
 Qy 2 RRGPRSLRGRDAPAPTPCVPACFCFDLVRHCVACGLRTPRPKPAGASSP----- 51
 Db 4 RRAPRR-SGRGP-----RAQPGSAARSSSPPLPLPLL 38
 Qy 52 APRTALQPOESVGAGAGAAALPL-PGLFGAPALG---LALVIALVLVGLVSRQR 106
 Db 39 LGTAALAP---GAAGNEAAPAGASVYCSSPPSVSVOELAQRAAVVIEKGKHPQRQQ 94
 Qy 107 ---RLRGASSAEEP--DGDKDAPEPLDKVILS PGISDATA P-AWPPGEGD P---GT 154
 Db 95 GALDRKAAAAGBAGAWGGREPP-----AAGPRALEPPEPLAANGT 139
 Qy 155 TPPGHSVPVPA 165
 Db 95 GALDRKAAAAGBAGAWGGREPP-----AAGPRALEPPEPLAANGT 139
 Qy 155 TPPGHSVPVPA 165
 Db 140 VPSWPTAPVPS 150
 RESULT 3
 US-08-470-339-210
 ; Sequence 210, Application US/08470339C
 ; Patent No. 622286
 ; GENERAL INFORMATION:
 ; APPLICANT: GOODEARL, ANDREW.
 ; APPLICANT: STROOBANT, PAUL
 ; APPLICANT: MINGHETTI, LUISA
 ; APPLICANT: WATERFIELD, MICHAEL
 ; APPLICANT: MARCHIONNI, MARK
 ; APPLICANT: CHEN, MARIO S.
 ; TITLE OF INVENTION: GLIAL MITOGENIC FACTORS, THEIR
 ; PREPARATION AND USE
 ; FILE REFERENCE: 04585/002008
 ; CURRENT APPLICATION NUMBER: US/08/470,339C
 ; CURRENT FILING DATE: 1995-05-06
 ; EARLIER APPLICATION NUMBER: 08/036,555
 ; EARLIER FILING DATE: 1993-03-24
 ; EARLIER APPLICATION NUMBER: 07/940,389
 ; EARLIER FILING DATE: 1992-09-03
 ; EARLIER APPLICATION NUMBER: 07/907,138
 ; EARLIER FILING DATE: 1992-06-30
 ; EARLIER FILING DATE: 1992-04-03
 ; EARLIER APPLICATION NUMBER: 91/07566.3 GB
 ; NUMBER OF SEQ ID NOS: 226
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 207
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens
 008-467-602-207
 Query Match 11.8%; Score 113.5; DB 4; Length 248;
 Best Local Similarity 28.3%; Pred. No. 0.0065; Mismatches 51; Indels 71; Gaps 11;
 Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
 Qy 2 RRGPRSLRGRDAPAPTPCVPACFCFDLVRHCVACGLRTPRPKPAGASSP----- 51
 Db 4 RRAPRR-SGRGP-----RAQPGSAARSSSPPLPLL 38
 Qy 52 APRTALQPOESVGAGAGAAALPL-PGLFGAPALG---LALVIALVLVGLVSRQR 106
 Db 39 LGTAALAP---GAAGNEAAPAGASVYCSSPPSVSVOELAQRAAVVIEKGKHPQRQQ 94
 Qy 107 ---RLRGASSAEEP--DGDKDAPEPLDKVILS PGISDATA P-AWPPGEGD P---GT 154
 Db 95 GALDRKAAAAGBAGAWGGREPP-----AAGPRALEPPEPLAANGT 139
 Qy 155 TPPGHSVPVPA 165
 Db 140 VPSWPTAPVPS 150
 RESULT 4
 US-08-467-602-207
 ; Sequence 207, Application US/08467602C
 ; Patent No. 6244642
 ; GENERAL INFORMATION:
 ; APPLICANT: Sklar, Robert
 ; APPLICANT: Marchionni, Mark
 ; APPLICANT: Gwynne, David I.
 ; TITLE OF INVENTION: METHODS FOR TREATING MUSCLE DISEASES AND
 ; FILE REFERENCE: 04585/02003
 ; CURRENT APPLICATION NUMBER: US/08/467,602C
 ; CURRENT FILING DATE: 1995-06-06
 ; EARLIER APPLICATION NUMBER: 08/209,204
 ; EARLIER FILING DATE: 1994-03-08
 ; EARLIER APPLICATION NUMBER: 08/059,022
 ; EARLIER FILING DATE: 1993-05-06
 ; NUMBER OF SEQ ID NOS: 420
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 207
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens
 008-467-602-207
 Query Match 11.8%; Score 113.5; DB 4; Length 248;
 Best Local Similarity 28.3%; Pred. No. 0.0065; Mismatches 51; Indels 71; Gaps 11;
 Matches 54; Conservative 15; Mismatches 51; Indels 71; Gaps 11;
 Qy 2 RRGPRSLRGRDAPAPTPCVPACFCFDLVRHCVACGLRTPRPKPAGASSP----- 51
 Db 4 RRAPRR-SGRGP-----RAQPGSAARSSSPPLPLL 38
 Qy 52 APRTALQPOESVGAGAGAAALPL-PGLFGAPALG---LALVIALVLVGLVSRQR 106
 Db 39 LGTAALAP---GAAGNEAAPAGASVYCSSPPSVSVOELAQRAAVVIEKGKHPQRQQ 94
 Qy 107 ---RLRGASSAEEP--DGDKDAPEPLDKVILS PGISDATA P-AWPPGEGD P---GT 154
 Db 95 GALDRKAAAAGBAGAWGGREPP-----AAGPRALEPPEPLAANGT 139
 Qy 155 TPPGHSVPVPA 165
 Db 140 VPSWPTAPVPS 150
 RESULT 5

